

(19)



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(11) Publication number:

**0 382 428 A3**

(12)

**EUROPEAN PATENT APPLICATION**(21) Application number: **90301122.9**(51) Int. Cl.<sup>5</sup>: **G01R 1/04**(22) Date of filing: **02.02.90**(30) Priority: **10.02.89 US 309698**(43) Date of publication of application:  
**16.08.90 Bulletin 90/33**(84) Designated Contracting States:  
**AT BE CH DE DK ES FR GB GR IT LI LU NL SE**(88) Date of deferred publication of the search report:  
**10.07.91 Bulletin 91/28**(71) Applicant: **CASCADE MICROTECH, INC.**  
**14255 S.W. Brigadoon Ct., Suite C,**  
**Beaverton Oregon 97005(US)**(72) Inventor: **Harwood, Warren K.**  
**8508 N.E. 140th Avenue**  
**Vancouver, Washington 98682(US)**  
Inventor: **Jones, Keith E.**  
**7255 S.W. 167th Place**  
**Beaverton, Oregon 97007(US)**  
Inventor: **DeLessert, Daniel**  
**2900 Crater Lane, No. 2**  
**Newberg, Oregon 97132(US)**(74) Representative: **Skerrett, John Norton Haigh**  
**et al**  
**H.N. & W.S. Skerrett Charles House 148/9**  
**Great Charles Street**  
**Birmingham B3 3HT(GB)**(54) **Test fixture for microstrip assemblies.**

(57) A test fixture (10) for testing microstrip assemblies and similar electronic circuit components and assemblies under application of high-frequency signals introduced through launchers (110, 112) whose positions are adjustable in the test fixture to accommodate circuit assemblies of different sizes and different geometry includes an easily operated rapid connector positioning mechanism (32, 44) that moves connectors (132) which complete electrical connection between outer conductors (127) of the

launchers and a ground plane conductor (130) of a microstrip assembly (114). The connectors (132) also lift the microstrip assembly (114) and support it while electrical connection is completed, without the need for a carrier beneath the test assembly. A lid (24) is moved in coordination with operation of the connector positioning mechanism to provide electrical contact to a third point on the upper face (122) of a circuit assembly (114) to be tested.

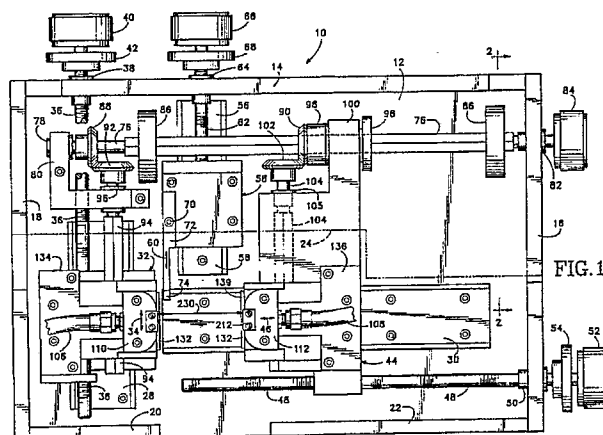


FIG. 1

**EP 0 382 428 A3**



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## EUROPEAN SEARCH REPORT

Application Number

EP 90 30 1122

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
D,Y	US-A-4 280 112 (EISENHART) * Column 6, lines 15-68; figures 1-3 * - - -	28,29	G 01 R 31/28 H 01 P 5/08 G 01 R 1/04
A		1-27	
Y	US-A-3 775 644 (COMMUNICATIONS SATELLITE) * Column 2, lines 1-14; figures 1-2 * - - -	28,29	
A		1-27	
A	US-A-4 346 355 (RAYTHEON) * Abstract; figures 2,4,8 * - - -	1-29	
A	US-A-3 662 318 (J.-C. DECUYPER) - - - - -		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 01 R H 01 P
Place of search		Date of completion of search	Examiner
The Hague		12 April 91	IWANSSON K.G.
<b>CATEGORY OF CITED DOCUMENTS</b>			
X: particularly relevant if taken alone		E: earlier patent document, but published on, or after the filing date	
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